



Gulf of Georgia Cannery NHS – School Program Machines at Work Online (Grade 4-6)

Theme:

- Simple machines are the building blocks to complex machines.
- Complex machines work in tandem to produce products.
- Everyone and every machine have a part to play.

Description: This 60-minute online workshop is an interactive presentation about compound machines and an assembly line (the canning line) tour led by Gulf of Georgia Cannery National Historic Site programming staff. Students will take the roles as “detectives” and will explore three key complex machines. Staff will ask questions and provide the opportunity for students to vote on their responses, with clues to help complete their worksheet.

Key Messages: When salmon canning began in BC in 1870, it was an entirely manual process. Machines made the canning process faster, safer, or less labour intensive. Now a modern canning line is an assembly line of complex machines. The six simple machines can all be found by examining the machines along the canning line.

The program unit includes:

- Complete unit design (no need to add any extra work)
- 60-minute workshop online.
- Kahoot! quiz
- An optional classroom kit (loaned) with wooden simple machines
- Word search
- Multiple activities
- Two scavenger hunts
- Historical photos and videos

Bonus: A physical kit can be booked on loan for a week for no extra cost. It includes wooden replicas of simple machines. The kit must be picked up at the Gulf of Georgia Cannery National Historic Site in Steveston. Instructions will be included to help students deepen their knowledge on how the simple machines work.

Big Idea/BC Curriculum:

- Machines are devices that transfer force and energy.
- properties of simple machines and their force effects.
- Constructed machines: combinations of simple machines form complex machines.

Booking notes: Virtual program will be on the ZOOM platform